

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2000-285478

(43)Date of publication of application : 13.10.2000

(51)Int.Cl. G11B 7/085  
G11B 11/10

(21)Application number : 11-089979

(71)Applicant : FUJITSU LTD

(22)Date of filing : 30.03.1999

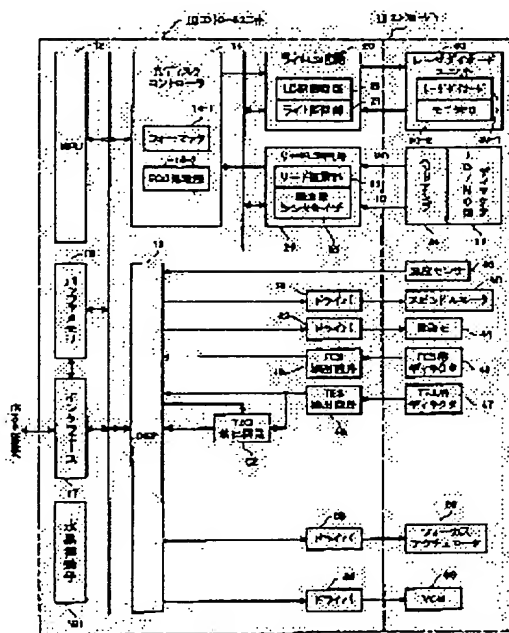
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## (54) PROCESSOR FOR OPTICAL RECORDING MEDIUM AND SEEK CONTROL METHOD THEREIN

## (57)Abstract:

**PROBLEM TO BE SOLVED:** To perform the initial seek control operation of a carriage even without using a position sensor by a method wherein the carriage is moved in a direction crossing a track from the innermost circumferential position or from a position near the position of a recording medium, the number of tracks is counted on the basis of track zero-crossing pulses, and a light beam is positioned in a target track.

**SOLUTION:** Track zero-crossing(TZC) pulses which are found from a tracking error signal(TES) are counted. Until a prescribed number of tracks is counted, a carriage is controlled at a constant velocity, and a light beam is positioned in the center position. When its constant-velocity control operation is started, a speed control part counts the TZC pulses, and a current which is supplied to a VCM 68 is controlled so that the speed of the carriage is maintained at a target speed on the basis of a detected track pitch. When the carriage reaches a prescribed track, it is judged that the light beam reaches a part near the center position of a recording medium, and the carriage is changed over to a track ON-control operation in the position.



## LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

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